

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/831,690B  
Source: JFWP  
Date Processed by STIC: 1-1806

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 01/18/2006

PATENT APPLICATION: US/09/831,690B

TIME: 15:13:56

Input Set : A:\NEU-115.P.1 SEQ ID.ST25.txt

Output Set: N:\CRF4\01182006\I831690B.raw

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3 <110> APPLICANT: Carson, Monica J
4     Sutcliffe, J. Gregor
5     Almazan, Melissa T.
6     Tobal, Gabriela M.
8 <120> TITLE OF INVENTION: Gene Expression Modulated By Activation of Microglia Or
9     Macrophages
11 <130> FILE REFERENCE: 98,634-A
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/831,690B
C--> 13 <141> CURRENT FILING DATE: 2001-05-11
13 <150> PRIOR APPLICATION NUMBER: US 60/108,259
14 <151> PRIOR FILING DATE: 1998-11-12
16 <160> NUMBER OF SEQ ID NOS: 76
18 <170> SOFTWARE: PatentIn version 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 267
22 <212> TYPE: DNA
23 <213> ORGANISM: Mus musculus
25 <400> SEQUENCE: 1
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28 gtcaatccag cctgcatgct ctcccctcct ccaccaagac ttctgtttct gctacttttg      120
30 cttcagaggc cgcctctgcc tcaagcccac ctatcctggg agcaggaata ctggtgtgta      180
32 catctgtgtt gagtggggaa gacagctgga tggttgtctg tcaacttctg cactttggac      240
34 attaaacatt ctccacacac cgaaaaa      267
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 331
39 <212> TYPE: DNA
40 <213> ORGANISM: Mus musculus
42 <400> SEQUENCE: 2
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45 gaaggcccca ggaaagaaga caggagtctg tgaagaatgt tttcaaaatg gtgcaataat      120
47 tgacttattt ccctcggttc ccactagag gatcgaggct agatgccttg tgagaaatgc      180
49 ctttgagttt actgtcccca acgtttttat aatattgtat ataagactat gaccgattgt      240
51 atttctataa gggagacgat ggcacctctg ccgcctgctt cgtctttata cgactttttt      300
53 ttaattaaag ttttgatct ttggagaaaa a      331
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 297
58 <212> TYPE: DNA
59 <213> ORGANISM: Mus musculus
61 <400> SEQUENCE: 3
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64 tctctcgtca ccctgatctc ccgcacggt tgtgtccctg gtctggaaca ttagtttttt      120
66 taaggcaact gtggccaata tttatatcat gacatacaaa tggatttacg tatttgactg      180
68 aaatgaaagt tccactaaac ggtatttgct cttgtgatat gtggcacatt gtgatatttt      240

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70 cttagtctgt tctgttttat ttaaaaaata aaattgctga tcaagacaga ataaaaa      297
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74 <211> LENGTH: 200
75 <212> TYPE: DNA
76 <213> ORGANISM: Mus musculus
79 <220> FEATURE:
80 <221> NAME/KEY: misc_feature
81 <222> LOCATION: (22)..(22)
82 <223> OTHER INFORMATION: N stands for A, C, G or T
84 <220> FEATURE:
85 <221> NAME/KEY: misc_feature
86 <222> LOCATION: (172)..(172)
87 <223> OTHER INFORMATION: N stands for A, C, G or T
89 <400> SEQUENCE: 4
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92 taaactctaa tttctatcaa ggtatcatgg gtttttaaaa ttagtatttc attacaaatg      120
94 tctcgatggt ggttaactaa tttttgccag gaccattatt gatcaaggaa anaaattcaa      180
96 cagccatttg agaataaaaa
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100 <211> LENGTH: 218
101 <212> TYPE: DNA
102 <213> ORGANISM: Mus musculus
104 <400> SEQUENCE: 5
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107 taataatttg aatgtaacct tgattgttat catcttgacc tagggctgat ttcttgtaa      120
109 tttcatggat tgagaatgct tagagggttt gtttgttgtg ttgattgatt tgtttttttg      180
111 aagaaataaa tgatagatga ataaacttcc aggaaaaa      218
114 <210> SEQ ID NO: 6
115 <211> LENGTH: 211
116 <212> TYPE: DNA
117 <213> ORGANISM: Mus musculus
119 <400> SEQUENCE: 6
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122 tctagtatta ataaatatta gccaccaac agctaccatt acatttatta ttttacttct      120
124 actcacaatt ctagaatttg cagtagcatt aattcaagcc tacgtattca cctcctagt      180
126 aagcctatat ctgcatgata atacgtaaaa a
129 <210> SEQ ID NO: 7
130 <211> LENGTH: 229
131 <212> TYPE: DNA
132 <213> ORGANISM: Mus musculus
135 <220> FEATURE:
136 <221> NAME/KEY: misc_feature
137 <222> LOCATION: (220)..(220)
138 <223> OTHER INFORMATION: N stands for A, C, G or T
140 <220> FEATURE:
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142 <222> LOCATION: (228)..(228)
143 <223> OTHER INFORMATION: N stands for A, C, G or T
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146 ccggttttgggt catccaacag rgaagaaaatg aatatgaaat tccagcaata agaaatgaac      60
148 aaagatttggga gctgaagacc ttaagtgtctt gctttttgcc ctctgaccag ataacattag      120
150 aactatctgc attatctatg cagcatgggg tttttattat ttttacctaa agatgtctct      180
W--> 152 ttttggtaat gacaaacgtg ttttttaaga aaaaaacccn aaaaaaanc      229
155 <210> SEQ ID NO: 8
156 <211> LENGTH: 213
157 <212> TYPE: DNA
158 <213> ORGANISM: Mus musculus
160 <400> SEQUENCE: 8
161 ccggttggca cagccaksra ctgacactgg aataggaatg tgatgggctg cgcaccctct      60
163 gtaaatgtgg gaatgtttgt aacttgtgtt tgtatctaata gtcgatcccc ttaggtgggt      120
165 gtactataat tcatttttgt tgtaaaccttc agcctaagat aaatgtacat ctgcttttgt      180
167 atgcactcat taaacattgt aacagaccaa aaa      213
170 <210> SEQ ID NO: 9
171 <211> LENGTH: 355
172 <212> TYPE: DNA
173 <213> ORGANISM: Mus musculus
176 <220> FEATURE:
177 <221> NAME/KEY: misc_feature
178 <222> LOCATION: (328)..(328)
179 <223> OTHER INFORMATION: N stands for A, C, G or T
181 <400> SEQUENCE: 9
182 ccggtgagcc tatggactca atgtgaagaa ctgtggagcc cagtccaccc ctctacacca      60
184 ggaccctgtc cctgcactgc tcggtcttcc cttccgcagc caaccttgct ggttcagcca      120
186 aacactgagg gacatctgta gcctgtcagc tccatgctac cctgacctgc aactcctcac      180
188 ttccacactg agaataataa tttgaatgta accttgattg ttatcatctt gacctaaggc      240
190 tgatttcttg ttaatttcat ggattgagaa tgcttagagg ttttgtctgt ttgtttgatt      300
W--> 192 gatttgtttt tttgaagaaa taaatganag atgaataaac tcccaaaatg aaaaa      355
195 <210> SEQ ID NO: 10
196 <211> LENGTH: 360
197 <212> TYPE: DNA
198 <213> ORGANISM: Mus musculus
201 <220> FEATURE:
202 <221> NAME/KEY: misc_feature
203 <222> LOCATION: (84)..(84)
204 <223> OTHER INFORMATION: N stands for A, C, G or T
206 <400> SEQUENCE: 10
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W--> 209 gttcccgctgc gcaggtagag tcgncgcttt cgtaccatcg acatcgaacc tgacatagaa      120
211 accctgctgt cccagcagtc tggcaactcc taaggcggcc ctggcattgg cttggtgatt      180
213 actggctgca ctctgggggg cggttcttcc atgatggtgt ttctctataa tttgcacgga      240
215 gaaacacctg atttccagga aaatcccctc agatgggcgc tgggtcccatc cattcccgat      300
217 gcctttccac ctaatgaaag gtggtttcac tactaagaat aaagtgtctga atgtcaaaaa      360
220 <210> SEQ ID NO: 11
221 <211> LENGTH: 361
222 <212> TYPE: DNA
223 <213> ORGANISM: Mus musculus
225 <400> SEQUENCE: 11
226 ccggtcatgt attgtatcca tgcattatat tcagataacc acaacagctg ctaatgcttg      60

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228 attatattct cagggactgc atgcaatgta acattactgg ttggttctgc caattttcct      120
230 cttggtatatt ataaaggaaa accaaaactc ttggtcagag acaatatgca aaacagagat      180
232 gtcaagtact atgtccaaat actgtgaaat atagtggaaa ataggtaaca aatttatcaa      240
234 tcaactatgt ttggatccag ggaatctcaa gttattcaat tcattctctg taagcctttg      300
236 tctctctctt catccagact tttgccttca aatacaagca tgcgctatct tctgggaaaa      360
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241 <210> SEQ ID NO: 12
242 <211> LENGTH: 245
243 <212> TYPE: DNA
244 <213> ORGANISM: Mus musculus
246 <400> SEQUENCE: 12
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249 cgaagtgtct ttagatcttt tttgatgaat gttttatgct tgcattttaa cctgaaatgt      120
251 gtgagcagaa tgagacaatc tttacaatca gaattggaaa gtgttacaat tgaatggcct      180
253 tgtgctgtag caataaaatg accaagtgca atgactttaa taaaatcatc cttcaaacgc      240
255 aaaaaa                                                                                   245
258 <210> SEQ ID NO: 13
259 <211> LENGTH: 264
260 <212> TYPE: DNA
261 <213> ORGANISM: Mus musculus
263 <400> SEQUENCE: 13
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266 gaagaccaa agacttggtt ccaagcagat tgaatggcca gtggtgaaag acctgccaac      120
268 ctgtcagggt agcgtcaggc agttacaaag tctgttgggt ttaaaaagta acagagcaaa      180
270 tgttcaaaag tgaaatttta tttatgggaa ttcagtgtat ccaacttgta tcacaccagt      240
272 taataaatgt gaagtcttca aaaa                                                                 264
275 <210> SEQ ID NO: 14
276 <211> LENGTH: 192
277 <212> TYPE: DNA
278 <213> ORGANISM: Mus musculus
280 <400> SEQUENCE: 14
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283 ttcatatcct tcaaaagtta cagaactgtg tcttaagaga attatttata gttactataa      120
285 ctgaattgac aaatgtcgac ttaactgata aattatattt ggtaaaataa aatggaagtt      180
287 tatttcgaaa aa                                                                                   192
290 <210> SEQ ID NO: 15
291 <211> LENGTH: 375
292 <212> TYPE: DNA
293 <213> ORGANISM: Mus musculus
295 <400> SEQUENCE: 15
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298 agaatgctca acatgaccct ctgctgactg gagtgtcttc aagtacgaat cccttcagac      120
300 cccagaaagt ctgctccttt ttgtagtcac ctatcttgag gtttctcaaa ccacttttca      180
302 tgaaccagtg aatattcaag agaactaaat ttgaagtctg tacaaaagct tctctttaac      240
304 acgtgccata atacactatc ttctgtctgt cagtccttaa catctacctc tctgaatttc      300
306 atggatttct gtctcacaag gtttaactat tttatataca ctggctgtag catacaataa      360
308 agcatcatat aaaaaa                                                                                   375
311 <210> SEQ ID NO: 16
312 <211> LENGTH: 397

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313 <212> TYPE: DNA
314 <213> ORGANISM: Mus musculus
317 <220> FEATURE:
318 <221> NAME/KEY: misc_feature
319 <222> LOCATION: (385)..(385)
320 <223> OTHER INFORMATION: N stands for A, C, G or T
322 <220> FEATURE:
323 <221> NAME/KEY: misc_feature
324 <222> LOCATION: (387)..(387)
325 <223> OTHER INFORMATION: N stands for A, C, G or T
327 <220> FEATURE:
328 <221> NAME/KEY: misc_feature
329 <222> LOCATION: (391)..(391)
330 <223> OTHER INFORMATION: N stands for A, C, G or T
332 <400> SEQUENCE: 16
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335 aatgtggtga aaacggggccg agtgatgctg ggggagacca atccagctga ttcaaaaacca      120
337 ggcacccatcc gtggggattt ctgcattcaa gttggcagga acatcattca tggcagtgat      180
339 tcagtggaga gtgctgagaa agagatccat ctgtggttta agcccgaaga actgatcgac      240
341 tacaagtctt gtgcccatga ctgggtgtac gagtagacat gaagaaacca gaatcctttt      300
343 cagcactact gatgggtttc tggacagagc tcttcatccc actgacagga tggatcatct      360
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349 <211> LENGTH: 231
350 <212> TYPE: DNA
351 <213> ORGANISM: Mus musculus
353 <400> SEQUENCE: 17
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356 atttctgagt ttgaggccag cctggtctac agagtgaagt cgaggacaac cagggctaca      120
358 cagagaaaacc ctgtctcgaa aaccaaanaac aaaaaaaaaa gaactccagt taagacttct      180
360 aataccaaat tctcttgcaa gttatgaaaa taaagtatat aaamcgaaaa a          231
363 <210> SEQ ID NO: 18
364 <211> LENGTH: 317
365 <212> TYPE: DNA
366 <213> ORGANISM: Mus musculus
368 <400> SEQUENCE: 18
369 ccggaagtgt gtcagagtgc agacagacag tctctcagct ctgtactgtg agacagatgt      60
371 gctgtggagt gctgcttatg gggagaatgt gctgaaaaaa gcatgagcct tcctgccaag      120
373 gattgctgac aaactgctct tgattgtttc ttttaaggaa tgctttctct ccctgactcc      180
375 tctgctcatc ctagccatac aattttccag tcagcaaac tcattactaa tcatgtaggg      240
377 aatggagctt aaagcagaca gagcaccttt tgatcacatt ttttttctct gcaataaatg      300
379 acaactccca acaaaaaa          317
382 <210> SEQ ID NO: 19
383 <211> LENGTH: 232
384 <212> TYPE: DNA
385 <213> ORGANISM: Mus musculus
387 <400> SEQUENCE: 19
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390 atttctgagt ttgaggccag cctggtctac agagtgaagt cgaggacaac cagggctaca      120

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/831,690B

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Input Set : A:\NEU-115.P.1 SEQ ID.ST25.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 22,172 ✓  
Seq#:7; N Pos. 220,228 ✓  
Seq#:9; N Pos. 328 ✓  
Seq#:10; N Pos. 84 ✓  
Seq#:16; N Pos. 385,387,391 ✓  
Seq#:22; N Pos. 72,110,179,231,267,272,284,305,330,357,364,375 ✓  
Seq#:26; N Pos. 47,48 ✓  
Seq#:28; N Pos. 16 ✓  
Seq#:30; N Pos. 13,14,15,16 ✓  
Seq#:76; Xaa Pos. 14 ✓

## VERIFICATION SUMMARY

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Input Set : A:\NEU-115.P.1 SEQ ID.ST25.txt

Output Set: N:\CRF4\01182006\I831690B.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No  
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
M:341 Repeated in SeqNo=4  
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:180  
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:300  
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:60  
L:345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:360  
L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:60  
M:341 Repeated in SeqNo=22  
L:582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0  
L:1333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0